



Industrial Supplier of:

Abrasives
Adhesives
Chemicals
Coatings
Equipment
Lubricants
Sealants
Silicones
Tapes

Bradechem ISO9001 Registered Firm

BC Bra-Nox is a single pack water based high build acrylic coating. The product is supplied ready to use and is ideal for protecting metallic and cementations surfaces subject to weathering and corrosion. The product is capable of long term corrosion protection on Hydro blasted to abrasive blast cleaned surfaces.

Product Applications

Structural steel, external tank surfaces, concrete structures.

Before proceeding, please read the following information carefully to ensure that the correct application procedure is fully understood.

Surface Preparation

All surfaces should be clean, dry and free from oils, grease, loose material, standing water and any other contaminants.

Metal Surfaces

Should be prepared by mechanical wire brushing, grinding or high pressure water jetting (typically 800 bar +) to achieve Swedish Standard St3, taking particular care when cleaning badly pitted surfaces.

The visual surface cleanliness should reach the level of WJ-4 (loose rust, mil scale, loose coatings uniformly removed).

Mixing & Application

Single component material and should only require stirring with a slow speed mechanical mixer prior to use to incorporate any slight separation.

Please stir the container prior to applying the product to any prepared surfaces.

This product can be applied by brush, roller, and squeegee or by standard airless spray.

Product must be applied as a two-coat system at 350 microns (14 mils) per coat. The first coat should be allowed to dry to the touch (30 minutes depending on substrate and weather conditions) prior to the second coat being applied.

No Top Coat Is Required

All equipment should be cleaned immediately after use with clean water.

Technical Data & Performance

Characteristics

Coverage Rates

20lt (5.25 US Gallon) of fully mixed product will give the following coverage rates -	
40m ² at 500 microns	430ft ² at 20mil
20m ² at 1000 microns	4215ft ² at 40mil
<i>Please note that the coverage rates quoted are theoretical and do not take into consideration the profile or condition of the surface being repaired.</i>	

Drying & Cure Times at 20°C (68°F)

Touch Dry	30 minutes
Minimum Over Coating	30 minutes
Hard Dry	24 hours
Full Cure	7 days
Maximum Over Coating	Indefinite
<i>Once hardener, the material should be left for the following periods of time at 20°C (68°F) before being subjected to the conditions indicated. These times will be doubled at 10°C (50°F) and halved at 30°C (86°F)</i>	

Appearance

Mixed Material Colour	Light Grey, Mid Grey or White
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Over Coating Times

Minimum	The applied material can be over coated as soon as it is touch dry
Maximum	The over coating time is indefinite
<i>Where the maximum over coating time is exceeded, the material should be allowed to harden before being abraded or flash blasted to remove surface contamination.</i>	

Shelf Life

2 years if unopened and store in normal dry conditions (15-30°C / 60-86°F)

Pack Sizes

This product is available in the following pack sizes;
20LT (5.25 US Gallon)

Mechanical Properties

Tensile Strength ASTM 412	3.2N/mm ²
Corrosion Weathering ASTM D4798	1,500 hours No Cracks or Blisters
Corrosion Resistance ASTM B117	5,000 hours Outstanding
Elongation ASTM D412	230%
UV Resistance ASTM D412	5,000 hours Unaffected
Impact Resistance ASTM D2444	110lb/ins
Volume Solids	55%

Quality: All Bradechem LTD Products are supplied under the scopes of the company's fully documented quality system.

Warranty: Bradechem LTD warrants that the performance of the product supplied will confirm to the typical descriptions quoted within this Technical Data Sheet provided the material is stored correctly and used according to the procedures detailed in the Technical Data Sheet for the material.

Health & Safety: Please ensure good practice is observed at all times during the mixing and application of this product. Protective gloves must be worn during the mixing and application of this product. Before mixing and applying the material please ensure you have read the fully detailed Material Safety Data Sheet.

Legal Notice: The data contained within this Technical Data Sheet is furnished for information only and is believed to be reliable at the time of issue. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the responsibility of the customer to determine the products suitability for use. Bradechem LTD accepts no liability arising out of the use of this information or the product described herein.